

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

AF/1632
RESPONSE UNDER RULE 116
EXPEDITED HANDLING PROCEDURES

In re Patent Application of

KANDA, et al.

Serial No. 09/971,773

Filed: October 9, 2001

Title: ANTIBODY COMPOSITION-PRODUCING CELL



Atty Dkt. 249-202

C# M#

C/A.U.

1632

Examiner: Kelly, Robert

Date: December 28, 2004

Corres. and Mail
BOX AF**Mail Stop AF**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

SUPPLEMENTAL SUBMISSION UNDER RULE 116 WITH ENGLISH TRANSLATION OF PCT PRIORITY DOCUMENT

This is a response/amendment/letter in the above-identified application and includes an attachment which is hereby incorporated by reference and the signature below serves as the signature to the attachment in the absence of any other signature thereon.

 Correspondence Address Indication Form Attached.**Fees are attached as calculated below:**

Total effective claims after amendment	0	minus highest number		
previously paid for	20	(at least 20) =	0	x \$ 50.00
				\$ 0.00

Independent claims after amendment	0	minus highest number		
previously paid for	3	(at least 3) =	0	x \$ 200.00
				\$ 0.00

If proper multiple dependent claims now added for first time, add \$360.00 (ignore improper)		\$ 0.00
----------------------------------------------------------------------------------------------	--	---------

Petition is hereby made to extend the current due date so as to cover the filing date of this paper and attachment(s) (\$120.00/1 month; \$450.00/2 months; \$1020.00/3 months)		\$ 0.00
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--	---------

Terminal disclaimer enclosed, add \$ 130.00		\$ 0.00
---------------------------------------------	--	---------

<input type="checkbox"/> First/second submission after Final Rejection pursuant to 37 CFR 1.129(a) (\$790.00)		\$ 0.00
<input type="checkbox"/> Please enter the previously unentered , filed		
<input type="checkbox"/> Submission attached		

Subtotal	\$ 0.00
-----------------	----------------

If "small entity," then enter half (1/2) of subtotal and subtract		-\$ 0.00
-------------------------------------------------------------------	--	----------

<input type="checkbox"/> Applicant claims "small entity" status.	<input type="checkbox"/> Statement filed herewith	
------------------------------------------------------------------	---------------------------------------------------	--

Rule 56 Information Disclosure Statement Filing Fee (\$180.00)		\$ 0.00
----------------------------------------------------------------	--	---------

Assignment Recording Fee (\$40.00)		\$ 0.00
------------------------------------	--	---------

Other:		0.00
--------	--	------

TOTAL FEE ENCLOSED	\$ 0.00
---------------------------	----------------

The Commissioner is hereby authorized to charge any deficiency, or credit any overpayment, in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Account No. 14-1140. A duplicate copy of this sheet is attached.

1100 North Glebe Road, 8th Floor
Arlington, Virginia 22201-4714
Telephone: (703) 816-4000
Facsimile: (703) 816-4100
BJS:

NIXON & VANDERHYE P.C.
By Atty: B. J. Sadoff, Reg. No. 36,663

Signature: _____



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

KANDA, et al.

Atty. Ref.: 249-202

Appln. No.: 09/971,773

TC/A.U. 1632

Filed: October 9, 2001

Examiner: Kelly, Robert

For: ANTIBODY COMPOSITION-PRODUCING CELL

DECLARATION

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir/Madam:

I, Eiichi Kobayashi, do declare and state that:

I graduated from the University of Tokyo, Faculty of Agriculture, Department in Agricultural Chemistry, having received a Master's Degree of Agriculture in March, 1992.

I understand the Japanese and English languages. Attachment is an accurate English translation made by me of PCT patent application No. PCT/JP01/08804 filed on October 5, 2001.

I declare further that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date : December 21, 2004

Name : Eiichi Kobayashi

A handwritten signature in black ink, appearing to read "Eiichi Kobayashi".

Eiichi Kobayashi

JAPAN PATENT OFFICE

This is to certify that the annexed is a true copy of
the following application as filed with this office.

Date of Application: October 5, 2001

Application Number: PCT/JP01/08804

Applicant(s): KYOWA HAKKO KOGYO CO., LTD.

July 22, 2004

Commissioner,

Japan Patent Office: Hiroshi OGAWA (seal)

ISSUANCE NO. 16-500280

PCT

REQUEST

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.

For receiving Office use only

PCT/JP01/08804

International Application No.

05. 10. 01

International Filing Date

Japanese Patent Office

Name of receiving Office and "PCT International Application"

Applicant's or agent's file reference
(if desired) (12 characters maximum) P-38524

Box No. I	TITLE OF INVENTION
ANTIBODY COMPOSITION-PRODUCING CELL	

Box No. II	APPLICANT	<input type="checkbox"/> This person is also inventor
-------------------	------------------	-------------------------------------------------------

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

KYOWA HAKKO KOGYO CO., LTD.
6-1, Ohtemachi 1-chome, Chiyoda-ku, Tokyo
100-8185 JAPAN

Telephone No.

Faxsimile No.

Teleprinter No.

State (that is, country) of nationality: JAPAN	State (that is, country) of residence: JAPAN
----------------------------------------------------------	--------------------------------------------------------

This person is applicant for the purposes of: all designated States all designated States except the United States of America the United States of America only the States indicated in the Supplemental Box

Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

KANDA Yutaka
c/o Tokyo Research Laboratories,
KYOWA HAKKO KOGYO CO., LTD.
6-6, Asahimachi 3-chome, Machida-shi,
Tokyo 194-0023 JAPAN

This person is:

- applicant only
- applicant and inventor
- inventor only (If this check-box is marked, do not fill in below.)

State (that is, country) of nationality:	State (that is, country) of residence:
------------------------------------------	----------------------------------------

This person is applicant for the purposes of: all designated States all designated States except the United States of America the United States of America only the States indicated in the Supplemental Box

Further applicants and/or (further) inventors are indicated on a continuation sheet.

Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE

The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:

agent common representative

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

(10564) OGURI Shohei, (10547) HONDA Hironori,
(10858) ICHIKAWA Toshimitsu,
(11510) TAKAMATSU Takeshi, (9034) KURIU Yuriko
Eikoh Patent Office, 28th Floor, ARK Mori Building,
12-32, Akasaka 1-chome, Minato-ku, Tokyo
107-6028 JAPAN

Telephone No.
03-5561-3990

Faxsimile No.
03-5561-3995

Teleprinter No.

Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.

Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)*If none of the following sub-boxes is used, this sheet should not be included in the request.*

Name and address: *(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)*

SATOH Mitsuo
c/o Tokyo Research Laboratories,
KYOWA HAKKO KOGYO CO., LTD.
6-6, Asahimachi 3-chome, Machida-shi,
Tokyo 194-0023 JAPAN

This person is:

- applicant only
 applicant and inventor
 inventor only *(If this check-box is marked, do not fill in below.)*

State *(that is, country)* of nationality:State *(that is, country)* of residence:This person is applicant
for the purposes of: all designated
States all designated States except
the United States of America the United States
of America only the States indicated in
the Supplemental Box

Name and address: *(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)*

NAKAMURA Kazuyuki
c/o Tokyo Research Laboratories,
KYOWA HAKKO KOGYO CO., LTD.
6-6, Asahimachi 3-chome, Machida-shi,
Tokyo 194-0023 JAPAN

This person is:

- applicant only
 applicant and inventor
 inventor only *(If this check-box is marked, do not fill in below.)*

State *(that is, country)* of nationality:State *(that is, country)* of residence:This person is applicant
for the purposes of: all designated
States all designated States except
the United States of America the United States
of America only the States indicated in
the Supplemental Box

Name and address: *(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)*

UCHIDA Kazuhisa
c/o Tokyo Research Laboratories,
KYOWA HAKKO KOGYO CO., LTD.
6-6, Asahimachi 3-chome, Machida-shi,
Tokyo 194-0023 JAPAN

This person is:

- applicant only
 applicant and inventor
 inventor only *(If this check-box is marked, do not fill in below.)*

State *(that is, country)* of nationality:State *(that is, country)* of residence:This person is applicant
for the purposes of: all designated
States all designated States except
the United States of America the United States
of America only the States indicated in
the Supplemental Box

Name and address: *(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)*

SHINKAWA Toyohide
c/o Tokyo Research Laboratories,
KYOWA HAKKO KOGYO CO., LTD.
6-6, Asahimachi 3-chome, Machida-shi,
Tokyo 194-0023 JAPAN

This person is:

- applicant only
 applicant and inventor
 inventor only *(If this check-box is marked, do not fill in below.)*

State *(that is, country)* of nationality:State *(that is, country)* of residence:This person is applicant
for the purposes of: all designated
States all designated States except
the United States of America the United States
of America only the States indicated in
the Supplemental Box

Further applicants and/or (further) inventors are indicated on another continuation sheet.

Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)

If none of the following sub-boxes is used, this sheet should not be included in the request.

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

YAMANE Naoko

c/o Tokyo Research Laboratories,
KYOWA HAKKO KOGYO CO., LTD.
6-6, Asahimachi 3-chome, Machida-shi,
Tokyo 194-0023 JAPAN

This person is:

- applicant only
 applicant and inventor
 inventor only (If this check-box is marked, do not fill in below.)

State (that is, country) of nationality:

State (that is, country) of residence:

This person is applicant for the purposes of:

 all designated States all designated States except the United States of America the United States of America only the States indicated in the Supplemental Box

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

HOSAKA Emi

c/o Tokyo Research Laboratories,
KYOWA HAKKO KOGYO CO., LTD.
6-6, Asahimachi 3-chome, Machida-shi,
Tokyo 194-0023 JAPAN

This person is:

- applicant only
 applicant and inventor
 inventor only (If this check-box is marked, do not fill in below.)

State (that is, country) of nationality:

State (that is, country) of residence:

This person is applicant for the purposes of:

 all designated States all designated States except the United States of America the United States of America only the States indicated in the Supplemental Box

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

YAMASAKI Motoo

c/o Tokyo Research Laboratories,
KYOWA HAKKO KOGYO CO., LTD.
6-6, Asahimachi 3-chome, Machida-shi,
Tokyo 194-0023 JAPAN

This person is:

- applicant only
 applicant and inventor
 inventor only (If this check-box is marked, do not fill in below.)

State (that is, country) of nationality:

State (that is, country) of residence:

This person is applicant for the purposes of:

 all designated States all designated States except the United States of America the United States of America only the States indicated in the Supplemental Box

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

HANAI Nobuo

c/o Tokyo Research Laboratories,
KYOWA HAKKO KOGYO CO., LTD.
6-6, Asahimachi 3-chome, Machida-shi,
Tokyo 194-0023 JAPAN

This person is:

- applicant only
 applicant and inventor
 inventor only (If this check-box is marked, do not fill in below.)

State (that is, country) of nationality:

State (that is, country) of residence:

This person is applicant for the purposes of:

 all designated States all designated States except the United States of America the United States of America only the States indicated in the Supplemental Box

Further applicants and/or (further) inventors are indicated on another continuation sheet.

Box No. V DESIGNATION OF STATES*Mark the applicable check-boxes below; at least one must be marked.*

The following designations are hereby made under Rule 4.9(a):

Regional Patent

- AP ARIPO Patent:** GH Ghana, GM Gambia, KE Kenya, LS Lesotho, MW Malawi, MZ Mozambique, SD Sudan, SL Sierra Leone, SZ Swaziland, TZ United Republic of Tanzania, UG Uganda, ZW Zimbabwe, and any other State which is a Contracting State of the Harare Protocol and of the PCT (*if other kind of protection or treatment desired, specify on dotted line*)
- EA Eurasian Patent:** AM Armenia, AZ Azerbaijan, BY Belarus, KG Kyrgyzstan, KZ Kazakhstan, MD Republic of Moldova, RU Russian Federation, TJ Tajikistan, TM Turkmenistan, and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT
- EP European Patent:** AT Austria, BE Belgium, CH & LI Switzerland and Liechtenstein, CY Cyprus, DE Germany, DK Denmark, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, IE Ireland, IT Italy, LU Luxembourg, MC Monaco, NL Netherlands, PT Portugal, SE Sweden, TR Turkey, and any other State which is a Contracting State of the European Patent Convention and of the PCT
- OA OAPI Patent:** BF Burkina Faso, BJ Benin, CF Central African Republic, CG Congo, CI Côte d'Ivoire, CM Cameroon, GA Gabon, GN Guinea, GW Guinea-Bissau, ML Mali, MR Mauritania, NE Niger, SN Senegal, TD Chad, TG Togo, and any other State which is a member State of OAPI and a Contracting State of the PCT (*if other kind of protection or treatment desired, specify on dotted line*)

National Patent (if other kind of protection or treatment desired, specify on dotted line):

- | | | |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> AE United Arab Emirates | <input checked="" type="checkbox"/> GM Gambia | <input checked="" type="checkbox"/> NZ New Zealand |
| <input checked="" type="checkbox"/> AG Antigua and Barbuda | <input checked="" type="checkbox"/> HR Croatia | <input checked="" type="checkbox"/> PL Poland |
| <input checked="" type="checkbox"/> AL Albania | <input checked="" type="checkbox"/> HU Hungary | <input checked="" type="checkbox"/> PT Portugal |
| <input checked="" type="checkbox"/> AM Armenia | <input checked="" type="checkbox"/> ID Indonesia | <input checked="" type="checkbox"/> RO Romania |
| <input checked="" type="checkbox"/> AT Austria | <input checked="" type="checkbox"/> IL Israel | <input checked="" type="checkbox"/> RU Russian Federation |
| <input checked="" type="checkbox"/> AU Australia | <input checked="" type="checkbox"/> IN India | <input checked="" type="checkbox"/> SD Sudan |
| <input checked="" type="checkbox"/> AZ Azerbaijan | <input checked="" type="checkbox"/> IS Iceland | <input checked="" type="checkbox"/> SE Sweden |
| <input checked="" type="checkbox"/> BA Bosnia and Herzegovina | <input checked="" type="checkbox"/> JP Japan | <input checked="" type="checkbox"/> SG Singapore |
| <input checked="" type="checkbox"/> BB Barbados | <input checked="" type="checkbox"/> KE Kenya | <input checked="" type="checkbox"/> SI Slovenia |
| <input checked="" type="checkbox"/> BG Bulgaria | <input checked="" type="checkbox"/> KG Kyrgyzstan | <input checked="" type="checkbox"/> SK Slovakia |
| <input checked="" type="checkbox"/> BR Brazil | <input checked="" type="checkbox"/> KP Democratic People's Republic of Korea | <input checked="" type="checkbox"/> SL Sierra Leone |
| <input checked="" type="checkbox"/> BY Belarus | <input checked="" type="checkbox"/> KR Republic of Korea | <input checked="" type="checkbox"/> TJ Tajikistan |
| <input checked="" type="checkbox"/> BZ Belize | <input checked="" type="checkbox"/> KZ Kazakhstan | <input checked="" type="checkbox"/> TM Turkmenistan |
| <input checked="" type="checkbox"/> CA Canada | <input checked="" type="checkbox"/> LC Saint Lucia | <input checked="" type="checkbox"/> TR Turkey |
| <input checked="" type="checkbox"/> CH & LI Switzerland and Liechtenstein | <input checked="" type="checkbox"/> LK Sri Lanka | <input checked="" type="checkbox"/> TT Trinidad and Tobago |
| <input checked="" type="checkbox"/> CN China | <input checked="" type="checkbox"/> LR Liberia | <input checked="" type="checkbox"/> TZ United Republic of Tanzania |
| <input checked="" type="checkbox"/> CO Colombia | <input checked="" type="checkbox"/> LS Lesotho | <input checked="" type="checkbox"/> UA Ukraine |
| <input checked="" type="checkbox"/> CR Costa Rica | <input checked="" type="checkbox"/> LT Lithuania | <input checked="" type="checkbox"/> UG Uganda |
| <input checked="" type="checkbox"/> CU Cuba | <input checked="" type="checkbox"/> LU Luxembourg | <input checked="" type="checkbox"/> US United States of America |
| <input checked="" type="checkbox"/> CZ Czech Republic | <input checked="" type="checkbox"/> LV Latvia | <input checked="" type="checkbox"/> UZ Uzbekistan |
| <input checked="" type="checkbox"/> DE Germany | <input checked="" type="checkbox"/> MA Morocco | <input checked="" type="checkbox"/> VN Viet Nam |
| <input checked="" type="checkbox"/> DK Denmark | <input checked="" type="checkbox"/> MD Republic of Moldova | <input checked="" type="checkbox"/> YU Yugoslavia |
| <input checked="" type="checkbox"/> DM Dominica | <input checked="" type="checkbox"/> MG Madagascar | <input checked="" type="checkbox"/> ZA South Africa |
| <input checked="" type="checkbox"/> DZ Algeria | <input checked="" type="checkbox"/> MK The former Yugoslav Republic of Macedonia | <input checked="" type="checkbox"/> ZW Zimbabwe |
| <input checked="" type="checkbox"/> EE Estonia | <input checked="" type="checkbox"/> MN Mongolia | |
| <input checked="" type="checkbox"/> ES Spain | <input checked="" type="checkbox"/> MW Malawi | |
| <input checked="" type="checkbox"/> FI Finland | <input checked="" type="checkbox"/> MX Mexico | |
| <input checked="" type="checkbox"/> GB United Kingdom | <input checked="" type="checkbox"/> MZ Mozambique | |
| <input checked="" type="checkbox"/> GD Grenada | <input checked="" type="checkbox"/> NO Norway | |
| <input checked="" type="checkbox"/> GE Georgia | | |
| <input checked="" type="checkbox"/> GH Ghana | | |

Check-boxes below reserved for designating States which have become party to the PCT after issuance of this sheet:

- EC Republic of Ecuador
- the Philippines

Precautionary Designation Statement: In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (*Confirmation (including fees) must reach the receiving Office within the 15-month time limit.*)

Box No. VI PRIORITY CLAIM		<input type="checkbox"/> Further priority claims are indicated in the Supplemental Box.		
Filing date of earlier application (day/month/year)	Number of earlier application	Where earlier application is:		
		national application: country	regional application: regional Office	international application: receiving Office
item (1) 06. 10. 00	Patent Application 2000-308526	JAPAN		
item (2)				
item (3)				

The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) (only if the earlier application was filed with the Office which for the purposes of the present international application is the receiving Office) identified above as item(s):

(1)

* Where the earlier application is an ARIPO application, it is mandatory to indicate in the Supplemental Box at least one country party to the Paris Convention for the Protection of Industrial Property for which that earlier application was filed (Rule 4.10(b)(ii)). See Supplemental Box.

Box No. VII INTERNATIONAL SEARCHING AUTHORITY

Choice of International Searching Authority (ISA)
(if two or more International Searching Authorities are competent to carry out the international search, indicate the Authority chosen; the two-letter code may be used):

ISA /JP

Request to use results of earlier search; reference to that search (if an earlier search has been carried out by or requested from the International Searching Authority):

Date (day/month/year) Number Country (or regional Office)

Box No. VIII CHECK LIST; LANGUAGE OF FILING

This international application contains the following number of sheets:

request	:	5
description (excluding sequence listing part)	:	183
claims	:	11
abstract	:	1
drawings	:	55
sequence listing part of description	:	47
Total number of sheets :		302

This international application is accompanied by the item(s) marked below:

1. fee calculation sheet
2. separate signed power of attorney
3. copy of general power of attorney; reference number, if any:
4. statement explaining lack of signature
5. priority document(s) identified in Box No. VI as item(s):
6. translation of international application into (language):
7. separate indications concerning deposited microorganism or other biological material
8. nucleotide and/or amino acid sequence listing in computer readable form
9. other (specify): Statement and document describing information of recording form of flexible disc, etc.

Figure of the drawings which should accompany the abstract:

Language of filing of the international application: Japanese

Box No. IX SIGNATURE OF APPLICANT OR AGENT

Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the request).

OGURI Shohei

TAKAMATSU Takeshi

HONDA Hironori

ICHIKAWA Toshimitsu

KURIU Yuriko

For receiving Office use only

1. Date of actual receipt of the purported international application:

05. 10. 01

2. Drawings:

 received:

3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application:

4. Date of timely receipt of the required corrections under PCT Article 11(2):

5. International Searching Authority (if two or more are competent): ISA /JP

6. Transmittal of search copy delayed until search fee is paid.

For International Bureau use only

Date of receipt of the record copy by the International Bureau: